

Paper March 1828

An Essay

on the Character and Treatment of Diseases

in the

Western part of Burlington County

New Jersey

In the Spring, Summer and Autumn of 1827

By Joseph Warrington L.

of that State

L. No 14th 1828-

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The vast extent of the field of Medical Science the numerous, diversified & interesting objects which it contains, affording ample space, both for the display of the Comprehensive Genius of some, and for the slow but steady observation of others who have engaged in the study & practice of the healing art, may perhaps be considered a sufficient apology for the selection of the following brief history of the Character and treatment of diseases which occurred within the extensive sphere of the practice of my preceptor Dr J. Spencer M.D. in the Spring Summer and Autumn of 1827 - as illustrations of the successful application of those principles taught by those professors of the practice of Medicine of the University of Pennsylvania, whose exertions to promote the interests of their science, have rendered them illustrious, and whose names will descend to posterity as monuments of industry, truly worthy of imitation.

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The situation of the Village of Meristown and its vicinity
is on the western side of the State of New Jersey about 10 miles
west from Philadelphia, comprising a variety of soil, from
barren sand to heavy clay, highly cultivated ground, gradu-
ally rising above the shores of the Delaware river, and
not including much marshy ground, tho' scattered by
several small streams, but was pleasant and healthy as
any of its surrounding districts, not frequently visited by
peculiar Epidemic diseases, mostly sharing, however, in
those of the neighboring country. -- In the autumns
of 1823, & 24, it participated largely in the general in-
disposition, particularly on the shores of Pennsauken
and Rancocas Creeks, and the intermediate shore of
the Delaware. These seasons were marked in succession
by the prevalence of Intermittent, Remittent, and Con-
tinued fevers, prevailing almost every family and in
some instances extending to every member of the family,
by accompanied by little mortality during the first
year, but became much more fatal in the last two.
The winter of 1824-5 was remarkable for the extent
of an Epidemic catarrh which was spread throughout

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the United States, and from which some of our patients may date the development or the aggravation of pulmonary affections—in this section of country all ages were affected by it, tho' it proved fatal only to declining life or the tender infant, —

By the last year, 1826, the disease had diminished in violence and only a few cases of a mild form of fever appeared.

The Spring of the present year, ushered in (as is not unusually the case) Catarrhal and Pneumonic affections, some of which were obstinate or protracted, tho' they mostly yielded to bloodletting, more or less copious and frequently repeated, according to the urgency of the symptoms, purgatives of Calomel and the neutral salts, low diet, mucilaginous beverages as decoctions of Flaxseed, Wheat bran & Hyssop, and when the inflammatory action was sufficiently reduced anodyne diaphoretics were given to allay cough and determine to the surface, equal parts of Antimonial wine, Targoric Elixir and Stoult Spirits of Nitro in the quantity of a teaspoonful every 4 or 6 hours, for an

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adult, or about 10 grs of the Dover's powder occasionally given, mostly had the effect of relaxing the surface, promoting expectoration, and restoring health. for children the Compound Syrup of Squills, given occasionally as an Emetic, proved very efficient. During the prevalence of this disease, only one patient died, who was a venerable lady about 75 years old, subject for several years previous to a pulmonary disease.

This form of disease entirely disappeared by the 5th Month, and was succeeded by one of a Bilious character, cases of which, frequently occurred, producing in some, such irritability of the stomach as to reject every thing received into it, except opiates, and only yielded to the frequent use of small quantities of this potent drug, aided, by purgative Emetics, and the application of Rubefacients or Vesicatories, over the Stomach, or to the extremities. When the irritation was allayed by these means, mild Cathartics of Calomel and Jalap, or the neutral salts were exhibited, and as soon as a distinct intermission of the febrile action took place, Tonics.

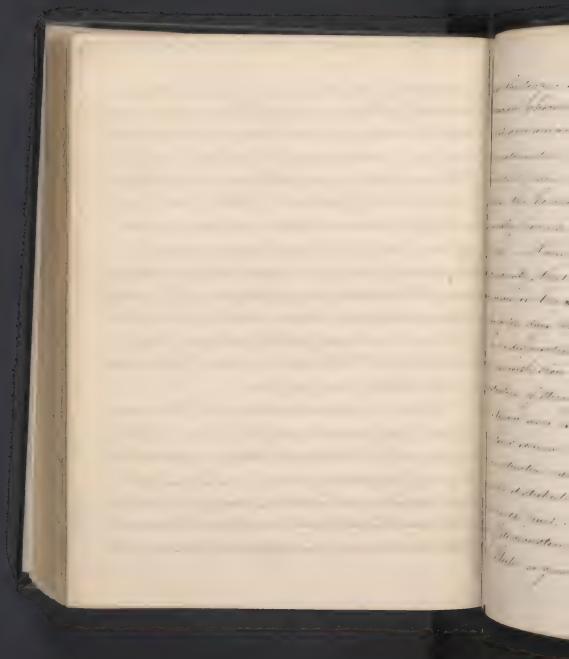
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particularly the sulphate of Quinine, that excellent
 medicinal, which the physicians in Chemistry have
 directed of its efflu and curious investment the
 shells and numerous particles of Peruvian bark, for
 one grain of the official preparation, has displayed
 a better effect, than a drachm of the crude matter
 of which to some stomachs is very loathsome. It
 was prescribed in pill, or solution in mucilage of
 Gum Arabic, with the addition of a little Oil of
 Vitriol or still less of the concentrated Sulphuric
 acid either of which under the name solution, I have
 known. Various infusions of Sassafras, Gentiana
 and Columba roots were occasionally added to ac-
 celerate convalescence, which followed even attack
 with one exception, which was the case of an unsexed
 extremely indignant female, whose vital spark, had
 become and various misfortune almost become ex-
 tinct, though the case admitted most of the above
 in its symptoms, after a few days a more
 continued form, was visited, the good effect of the
 use of the purgatives, antimonial, peruvian, &c.

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casual draughts of the watery infusion of *Chenopodium*
and lastly, the small doses of Calomel were given
until its action, when the gums and teeth were
inoculated, it did not yield to the beneficial influence
of this alteration and useful remedy in the hands
of a judicious Physician. We have however rea-
son to believe that cure, it was contracted by the
ingestion and absorption of an cancerous virus
which probably from good motives on the part of the
physician, and substituted such and high-
ly stimulating diet, which most have kept up the
violent action till at length the exhausted system
sunk beneath the burden, intended by the virus
poisoning Calomel for its support.

About the commencement of the 7th Mo. disease
assumed a different character, being in some instances
complicated with Bilious and Nervous affections. The
human symptoms generally, were a degree of lan-
guor, yawning and restlessness, some incontinence
of the muscles, skin dry and hot, dull redness
of the countenance, and glassy appearance of the



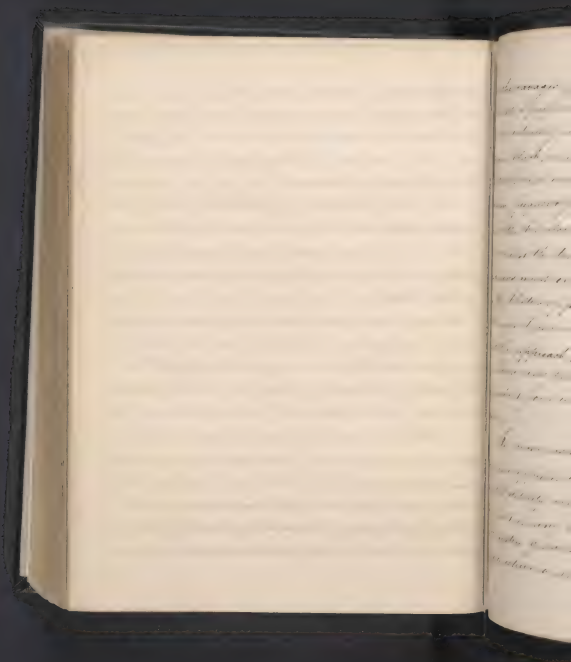
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eyes, the tongue is warm, moist & covered with a thin
tenacious chocolate colored mucus accompanied by
sweet and a want of appetite, frequent faintness & the hot
and intermittent with a sense of throbbing & pressure
over the face is the usual attendant symptoms.
The bowels almost uniformly relaxed, the inter-
mittent fever the sometimes slow and a want of
in sleep. These symptoms are in most instances
gradual, that the patient would rather be obliged
to remain in bed a while for the doctor's advice, until in
night, a few days had elapsed from the commencement
of the endoparasitism by this time the disease has become
fixed on with slow and insidious march, produced much
prostration of strength, sudden and instantaneous violation
of the tongue and hands though to a partial degree, these
symptoms seemed not very different from those of cholera,
but an attentive examination clearly discloses that an
irregular distribution of blood affects the Splanchnic
System in one part, while the other suffers from the ab-
sence of its accustomed stimulus in its branches & the
Peria. Stools or great watery fumes and delirious prostration.



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This condition of the circulation, the pulse generally at the time became small frequent and fluttering, considerable degree of heat could be felt in one part of the body, while in the other the temperature was reducible to the natural standard.

In a case, the only one of this kind which terminated fatally, the patient, an apprentice, 16 years of age, strong and robust constitution, aged about 19 years, came down with, severe cold, fatigue, cold, inaction, loss of appetite, restlessness, and incessant rest motion, dryness of the tongue and mouth; yet these symptoms steadily increased, that neither the patient nor his parents felt any alarm or thought it necessary to apply to the physician, who about a fortnight after the attack in a second day following, the patient was not confined to his bed, but occasionally walked about the room. His powers becoming more determined even in some directions to leave his bed in pursuit of imaginary objects, but flush of the countenance, glaring redness of the eyes, great anxiety, respiration frequent and laborious, pulse hurried and small, evidently much



ing the ravage of the disease upon the face, as it is
 put into a profound stupor with loud stertorous breathing,
 limbs relaxing, and much attended by tingling in
 tongue black, and dry, insensibility with difficulty to swallow
 the teeth, which were covered with sores, a low muttering deli-
 rium frequently reaching after out the hands or pick-
 ing at the bed clothes. The catarrhes generally became
 violent, whilst the temperature of the breast, which was
 weak, was much increased, a gangrenous state was induc-
 ed, the blisters kept a little longer around the eye
 of the eye became tumefied, hemorrhaged, and irresisti-
 ble to the approach of a lighter candle. The nails be-
 came livid and turned brown, and black spots ap-
 peared about four weeks from the first invasion, the dis-
 ease.

In most cases, this disease convalescence was
 slow, and appeared to be marked by no particular crisis
 and the debility continued a long time, and was particu-
 larly felt, in any attempt to ascend or descend stairs,
 as the system gradually acquired its former strength, the
 appetite returned, and the digestion, in some cases, performed



superficially. The treatment in these cases was governed by the attendant circumstances at the time of the visit. It was usually remarked that some time elapses in most cases before advice could be solicited, and seldom before the disease had taken firm hold of the system. Bloodletting was seldom performed except in the early stage, as usually the patient was still active. Purgatives of Calomel, followed by oil or salts were directed at the first visit, after which as the skin was less discoloured, a diarrhoea induced, and a more drastic medicine used, such as Calomel combined with ipecacuanha. R. Calomel, ʒss. or i.

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given in the evening, and sometimes repeated during the night. It would be impossible even to count the number of cases that had not the effect of restoring the action of the skin. Some were attended with, "sweated, redness, itching, canker, and the darkest of tetter on the following morning."

R. Vitellid Vitellum ʒi

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if this was unable to be taken every hour, three or four hours
 was requisite to keep up a gentle sedation of the in-
 flammation. When the violent inflammation had subsided
 we were obliged to augment the quantity of Camphor
 in due proportion, manifesting more a hepatic origin,
 as it is, if this combination affected the stomach, producing
 nausea or vomiting as sometimes happened, if the Camphor was
 indicated by the subsultus or sudden twitching, another propor-
 tion of it was substituted.

℞ Gum. Camph: ʒss
 Spt. Wind Root. ʒi. f. Solut.

Siem: Mast: ʒss
 Mast. Alb: ʒi.

Aqua Fontanis ʒviij Mps. Solut.

If this a Tablespoonful was directed to be taken every hour.
 ℞. Troas-nata. Aqueous infusions of Sassafras were
 given at intervals, and preparations of Pontiana, Colum-
 ba and Prussian Bark were also exhibited as soon as any im-
 provement of the febrile symptoms appeared. The sulphate of
 iron proved also a very useful medicine, it was adminis-
 tered at first in small quantities at greater intervals and

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needed in such a quantity, as the fluids certainly got,
 to the effect of the exhibition. And, besides, when motion
 is in some of the more obstinate cases, occurs, cold
 frequent and long continued, bearing in the lateral alone
 it was this given in doses of grs every four hours, in
 doses, becoming by this means great evacuations, a con-
 siderable fluid nature very much to the advantage (the patient,
 who was operated on the 20th, rendered at night 10 p.m. sleep
 and gentle inspiration. This plan was, in some, giving occa-
 sionally the camphorated julep, arm rest and pass-
 sive nourishment until a slight mercurial inflammation
 was established; in every instance upon this effect was pro-
 duced, convalescence followed, but although the same in
 concept in the case which terminated fatal, the necessity of
 the mercurial could be perceived in the latter, in the former
 purging could not in this case, continued so long as the system
 seemed to sink, but it was given in smaller doses and re-
 strained from acting on the bowels by combination with
 opium, to satisfy that it was permitted to have small quan-
 tities of cold lemonade or cold water, and in addition
 to the camphorated mixture and julep, was given.



Asia. More often and the character of hemorrhage, internal
 is described in detail no more common than external one.
 Dr. Sumner Carb. 34

Green Hall.

March 1861, no 31

C. C. Sumner: 34

19 Sept. 1861. 1861. 1861.

A little specimen of this is in a little time when was given
 occasionally. (Dilator had previously been applied to
 the vagina, arms and legs, and as usual to the rectum.
 Lastly, a dilator was applied to the back of the neck. This pro-
 ceedure would the doubtless, but was soon followed by a
 total suspension of animation.

(Among the cases subsequent to the occurrence of this
 interesting disease, cases of uterine hemorrhage have
 occurred. The not in any of those who had been subjects
 of the previous disease, but mostly in females of advanced
 life, unconnected with any constitutional affection, and
 had not preceded by any other symptoms, preceding
 in some, abortion, and one case, frequent discharges, then
 took place in an Athletic woman during the last, a

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wake of Gestation without her being able to ascribe it to any
 cause. The circumstances led to a suspicion that it was
 an implantation of the placenta over the Os uterinum
 that a rupture of its adhesions was caused by the action
 which the Uterus exerts during the latter stages of pregnancy.
 By proper care, however, the discharges were prevented from
 being profuse, by directing her to keep in a horizontal po-
 sition, cold applications, low diet, cooling drinks, and at
 the full period we had the satisfaction to see her safely
 delivered - and upon examining the placenta several dark
 spots were perceived on its uterine surface filled with con-
 claved blood clots, indicating the persistence of partial
 separation of this Organ from the walls of the Uterus.
 Could this state of the Uterine System be influenced
 by any Atmospheric Agency?

In a case of a delicate mar-
 ried woman of a Proliferous Mother the suppression of a
 serious haemorrhage from the Uterus was followed by
 Haemiparesis and a full development of the tubercular dis-
 ease which in a few months terminated fatally!
 It is probable that this formation doubtless could have



was induced by a determination from the Uterus to the
Lungs?

The method of treating these diseases, consisted
in the removal of Plethora when it existed, by the use of
the Sanguis. Strict attention to position, the hips of the pa-
tient were kept elevated, cold applications to the perineum,
by means of bladders or cloths, cool air freely admitted,
taking acidulated drinks, rice diet, or least water,
and if these alone were not found effectual Pills
of the Acetate of Lead and Opium were directed:

Rj Columbi Supracolat: gr iijss

Pulo: Opii ʒi

Syrup: Simplicis 2 S. Mpt. Water

To be taken every two or three hours as occasion requi-
red. When the hemorrhage was attended with much pain
the Camphor and Opium were sometimes given. The
bowels were kept gently opened when the hemorrhage
was not very copious, by mild laxatives or simple En-
emas. But when there was a dangerous degree of "Hæma-
ting" care was taken not to stimulate the bowels for
some time. This proved successful in every instance.

[Faint handwritten notes, mostly illegible.]

The following is the history of a case, as far as it came under my own observation.

L. H. aged about 27 years, a female of apparently good constitution, mother of two children, the youngest of which is rather more than 3 years old, stated that since its birth her catamenial discharge had been very irregular, and that an interval of 4 or 6 months had elapsed, inducing her to think she was pregnant, till on the 10th of the 9th Mo 1831 she was surprised by a profuse hemorrhage from the uterus accompanied by convulsions resembling according to her own description those of labour; these alarming symptoms required immediate attention, and accordingly my preceptor was sent for, but being otherwise engaged, my sister's friend and fellow student John H. Stokes visited her and found her much exhausted, with the face apparently saturated, and the floor beneath stained with blood, the room closed, and the anxious mother administering warm tea to "ease the pains" as she declared. These were quickly prohibited, cool air admitted into the room, the hips

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of the patient elevated, cold water applied to the feet
in cloths, and a pill of the acetate of Lead & Opium
to be taken every hour until the bleeding was checked
and the pain allayed - This soon afforded her
much relief, but in the evening when we again saw
her, we found that violent reaction had taken place.
The pulse full & active, pain in the feet, thirst
and other febrile symptoms. Under these circumstances
we bled her freely and directed her to take half a
grain of Opium every hour during the existence
of the pain - I saw her on the afternoon of the fol-
lowing day, found her nearly free from pain, pulse
a little febrile, tongue somewhat coated, skin dry
and warmer than natural, and the bowels constipa-
ted. Suspecting this to arise from the Opium and
Lead she had taken I directed Zips of Sulphate of
Magnesia to be dissolved in a pint of water and a
wineglassful of the solution to be taken hourly, un-
til it operated gently; abstinence from stimulating
food was also enjoined this however proved insuffi-
cient to overcome an habitual constipation, now con-

[illegible]

James by existing circumstances and it was not until
 the morning of the 8th, that the bowels were moved, and
 with this the uterine efforts recurred, and several coag-
 ula were thrown off, after which the pain subsided for
 some, but returning at intervals with the vehemence
 of actual labour, made the poor woman apprehensive
 that an abortion must ensue, and she again applied
 for relief. Towards the evening of that day an exam-
 ination was made per Vaginem to ascertain the
 condition of the uterus. When introducing the finger
 the soft, flabby and relaxed state of the Cervix was
 easily detected, and left no doubt of its unimpregna-
 ted condition, but most likely suffered the obli-
 teration from it and coagulate in the vagina, its ex-
 pression from whence had given so much anxiety to
 the patient. No tumour could be felt through the
 parietes of the abdomen. She was directed to continue
 the same treatment in case the bleeding should
 recur, to take \mathfrak{ss} of Laudanum to quiet the pain
 and on the following afternoon take \mathfrak{ss} of Opium
 pills. No further hemorrhage appeared, and on the

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Feb. 26, 1881.

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morning of the 10th the medicine having operated favorably, she was convalescent.

It may be proper to remark that in this patient there was an instance of that habitual constipation which is more frequent among females, even those who are untroubled by the influence of fashion, than is generally supposed: as in this & some other cases the objects of our care we were informed that, two or three would frequently sleep without any alvine evacuation, and yet no material inconvenience would appear to arise from this state of the bowels. Whether this circumstance could have had any real agency in the above case, I am unable to determine.

About the middle of the 8th the Pileous smetting fever recurred, assuming the same character and requiring a similar treatment, to that of the 6th and 7th, but in the 9th when the warm midday sun was preceded and followed by cool mornings and damp evenings tertian agues were ushered in. they were successfully treated by purgatives of Calomel & Salap.

I have the honor to
 acknowledge the receipt
 of your letter of the
 10th inst. and in reply
 to inform you that
 the same has been
 forwarded to the
 proper authorities for
 their consideration.
 I am, Sir, very
 respectfully,
 Yours,
 J. M. Smith

to a first view
of home dress
of the time

Rhubarb. followed by tinct. of the Purgative bark in substance or infusion, the Sulphate or tincture of Iron, and occasionally the Fowler's Mineral solution in varied doses from three to eight or ten drops, three or four times a day, according to the age of the patient or his capacity to bear it. it was given without reference to the stage of the disease after having attended to the evacuation of the alimentary canal, and it uniformly removed the affection, by the second or third day after its administration. When the crude bark was used it was found to excite nausea, and could not be retained in the stomach long enough to produce its good effect, so that, we were obliged to give it in the form of infusion with serpentaria &c in the following prescription.

R. Cort. Paur. cortus. ℥ij

" Aque: " ℥ij

Rad: Serpent: Virg. ℥ij

" Columb: cortus ℥j - M. Pour on

there, a pint & a half of boiling water, and after standing a few hours decant a wine glass full and take on every three or four hours during the dyspepsia - Subsequently

[illegible]

to this time, but little indisposition, occurred, excepting a few anomalous cases, one of the most interesting of which is may be well to notice:

A. — 16. — aged 16. of a vigorous constitution and plethoric habit, experienced a sudden suppression of the catamenia, complained of pain & fullness in the head, became febrile, and after a few days when my preceptor was called to visit her, the symptoms were those of ordinary bilious fever, with an unusual determination to the brain — these symptoms became aggravated, the ^{face} flushed with bright red alternately in each cheek, the extremities became cold & white, the pain & heat in the head involved the tongue, black & dry in the center & white the edges, &c. I sent a piece of "lind beef" &c. & "delirium", with other means, but without motion of the catamenia. The pulse, during this condition of the brain, was sometimes full and frequent at other times small, tender and irritable, the pupils of the eyes became dilated & free and of course to receive no impression from the strongest light. At the time my preceptor first saw her, he took from her arm a large quantity of blood, directed her to take

[illegible]

a powder of Calomel & Jalap, which on the next day was repeated, and after its free operation, gentle diaphoretics were prescribed, but the Cerebral symptoms increased and much pain was felt in the Epigastric region - to counteract which a Blister was applied to the seat of the pain - and one to each arm; Bloods filled with cold water were applied to the head. The disease remaining unchecked by these means, ten grain doses of Calomel, were ordered to be given every four hours - the head shaved, & blisters, cold applications continued. The Compound Jalap alone mixed with Carbonate of Ammonia & Wine of Bergamot & water was administered; the Calomel operated gently and produced the discharge of considerable quantity of dark, offensive matter by which she was much relieved, and as soon as her mouth was gently affected by the mercury the unfavorable symptoms began to subside, her mind became more clear, & the pupils of the eyes which had been morbidly dilated returned their sensibility, the dark crust of the tongue which had been separated into fissures, appeared

[illegible]

a more healthy appearance, and for a day or two she appeared to be rapidly recovering - when she was attacked with violent pain, in the knee joints, which continued an hour or two and then left her entirely free from any uneasiness until the afternoon following, assuming an intermittent type - by the local application of counter irritants - and tonics addressed to the system, she was relieved, and by permitting her a mild nutritious diet & keeping the bowels regulated by laxatives occasionally we had the pleasure to see our patient gradually convalesce, the menstrual secretion returned at its accustomed period, and nothing remained as the sequelae of the disease, excepting numerous small abscesses around the situations which the blisters had occupied, which, however, after discharging small quantities of purulent matter gradually healed up -

Thus has been presented a distinct view of the symptoms and treatment of disease as they occurred, and tho' in by far the greatest number of cases it was successful, still we have to regret that our exertions to relieve a few of the sufferers, were unavailing.

[Faint, illegible handwriting on the left page, likely bleed-through from the reverse side.]

An inquiry
into the Physiology
of William